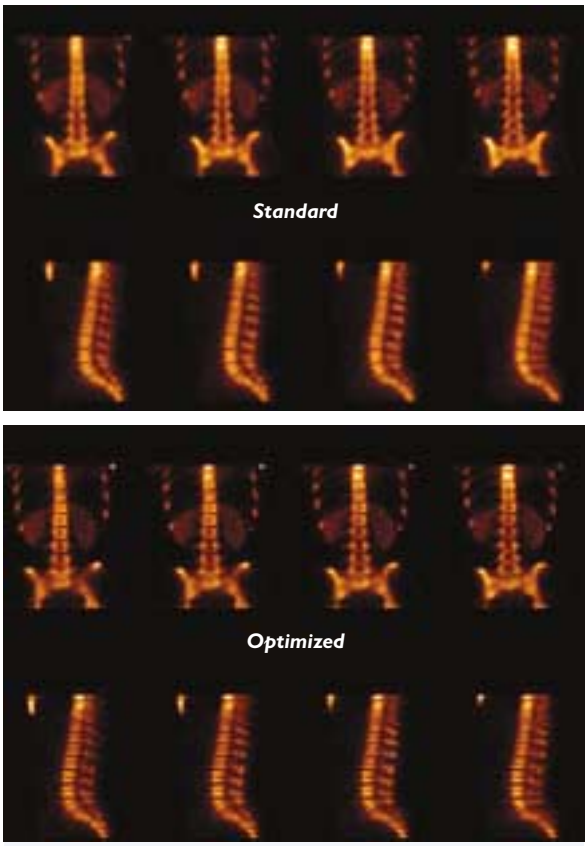
An Astonishing Advance in Image Quality

Total Body Bone

Total body bone scan. Left with standard reconstruction. Right with application of resolution recovery.

Images courtesy of William Beaumont Army Medical Center



Bone SPECT

61 year old male with known prostate cancer. The image set on the top shows standard reconstruction. The image set on the bottom applies resolution recovery. The scan indicates presence of metastatic lesions to the T9 and T10 vertebral bodies as well as to the bottom iliac wing.

Images courtesy of William Beaumont Army Medical Center

PHILIPS

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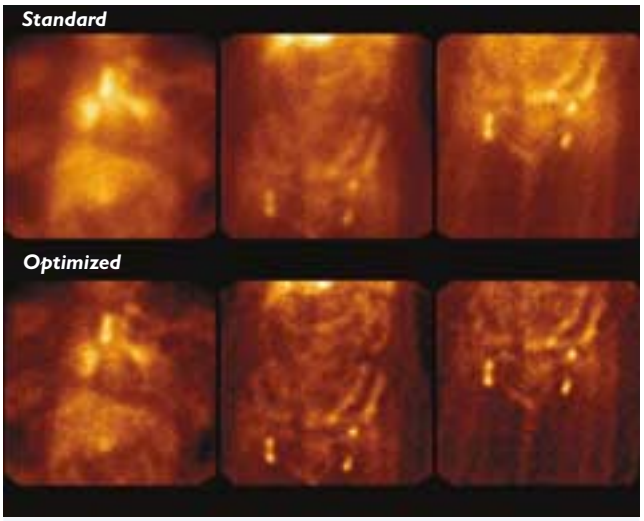
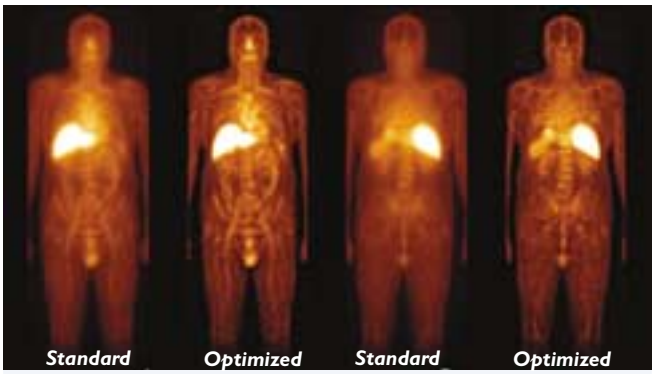


Gallium Planar

Planar Gallium images of the chest, abdomen and pelvis. Upper row with standard reconstruction. Lower row with resolution recovery applied indicates multiple lesions to the chest as well as the pelvic region bilaterally.

Images courtesy of Ben Taub General Hospital

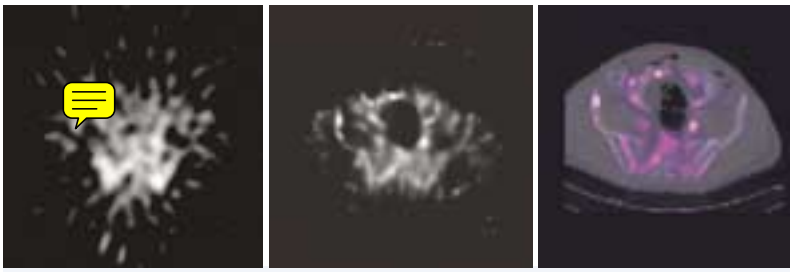


ProstaScint Planar

Standard vs. Optimized

In-111 ProstaScint Planar Images. Left image in each set uses standard reconstruction method while images on right of each set are with resolution recovery applied.

Images courtesy of Loyola University Medical Center



ProstaScint

65 year old male with 2 year history of prostatectomy and current elevation of PSA. Left image shows ProstaScint with standard reconstruction. Center image of ProstaScint with attenuation correction, resolution recovery and scatter correction applied. Right image fuses CT with the full reconstructed ProstaScint images and displays evidence of soft tissue as well as bone metastasis.

Images courtesy of Johns Hopkins University Medical Center

Philips Medical Systems is part of Royal Philips Electronics
www.medical.philips.com
medical@philips.com

Philips Medical Systems N.A.
Milpitas, California
800 538 8531

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